

Díaz de la Rubia Selected AD For Chemistry and Materials Science

Tomás Díaz de la Rubia has been chosen to succeed Chemistry and Materials Science (CMS) associate director Hal Graboske, who announced his retirement earlier this year.

Díaz de la Rubia joined the laboratory in 1989 in a post-doctoral appointment.

He served in a number of positions before most recently becoming Materials Program Leader for NIF Programs and leader of the Lasers-Materials Interaction Investment area in CMS.



Tomás Díaz de la Rubia

“Tomás is an outstanding scientist with an impressive multidisciplinary background,” said Laboratory Director Michael Anastasio. “These two qualities complement the mission and vision of the Chemistry and Materials Science directorate and make him a good selection for this position.”

CMS is responsible for multidisciplinary research and technology development in support of the laboratory’s missions in national security, energy and environment, and biotechnology.

For more on Tomás’ appointment please go to <http://www.llnl.gov/llnl/06news/NewsReleases/2002/NR-02-07-07.html> or see **Recent Headlines** below.



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Laboratory Proposing New BioSafety Laboratory Facility

In support of LLNL's biodefense mission, a new BioSafety Level-3 (BSL-3) facility is being proposed for the Laboratory's Biology and Biotechnology Research Program. This new facility would allow Laboratory scientists to safely and securely conduct sophisticated experiments on a wider array of microorganisms than are already being studied in the Laboratory's current BSL-2 facility.

Research would be primarily focused on the development of DNA "signatures" for certain microorganisms. This work is invaluable for the advancement of the Laboratory's biological detection capabilities. The facility would also allow Laboratory researchers to learn more about new emerging diseases.

Examples of microorganisms that would be studied in the BSL-3 facility are plague (*Yersinia pestis*), Valley Fever (*Coccidioides immitis*), and Rabbit Fever (*Francisella tularensis*). The facility would not be used to study microorganisms that require a BSL-4 environment, such as small pox or live Ebola virus.

A draft Environmental Assessment (EA) document for this facility has been filed with the DOE/NNSA's Oakland office. Copies of the EA document are available in the Laboratory's Public Affairs Office, the Livermore public library, and the Tracy public library. A 30-day written Public Comment period on the EA ends on August 23.

For more on this new facility see **Recent Headlines** below.

Let us hear from you

Contacts:

Community
Relations Manager

Barry Schrader
(925) 423-3567,
schrader2@llnl.gov,

.....

Community
Relations Officer
Scott Wilson
(925) 423-3125,
wilson101@llnl.gov

.....

Community
Relations Officer
Christine Mixan
(925)-422-3138,
mixan1@llnl.gov.

.....

Visitors Center
Coordinator
Linda Lucchetti
(925) 4225815
lucchetti1@llnl.gov

East Avenue Access Changes Take Another Step Forward

The proposal to upgrade the security of East Avenue between S. Vasco and Greenville roads by changing access to this corridor continued last month with the filing of a draft Environmental Assessment (EA) document with the DOE/NNSA's Oakland office.

The purpose of this change is to provide additional protection to essential LLNL and Sandia National Laboratories/California facilities and personnel along East Avenue. The proposal includes two new security posts, a truck inspection station, and a new badge office.

Copies of the EA document are available in the Laboratory's Public Affairs Office and the Livermore public library. A 30-day written Public Comment period on the EA ends on August 30.

For more on East Avenue see **Recent Headlines** below.

C. Bruce Tarter Receives Special Tribute



C. Bruce Tarter

Representatives from the Department of Energy (DOE), the National Nuclear Security Administration (NNSA), and the University of California joined in a special ceremony last month honoring Bruce Tarter on his tenure as Director of the Laboratory.

Camille Yuan-Soo Hoo, manager of DOE's Oakland office; Everet Beckner, deputy administrator for Defense Programs at NNSA; Robert Kuckuck, acting principal deputy administrator at

NNSA and the Laboratory's former deputy director of Operations; and John McTague, University of California Vice President for Laboratory

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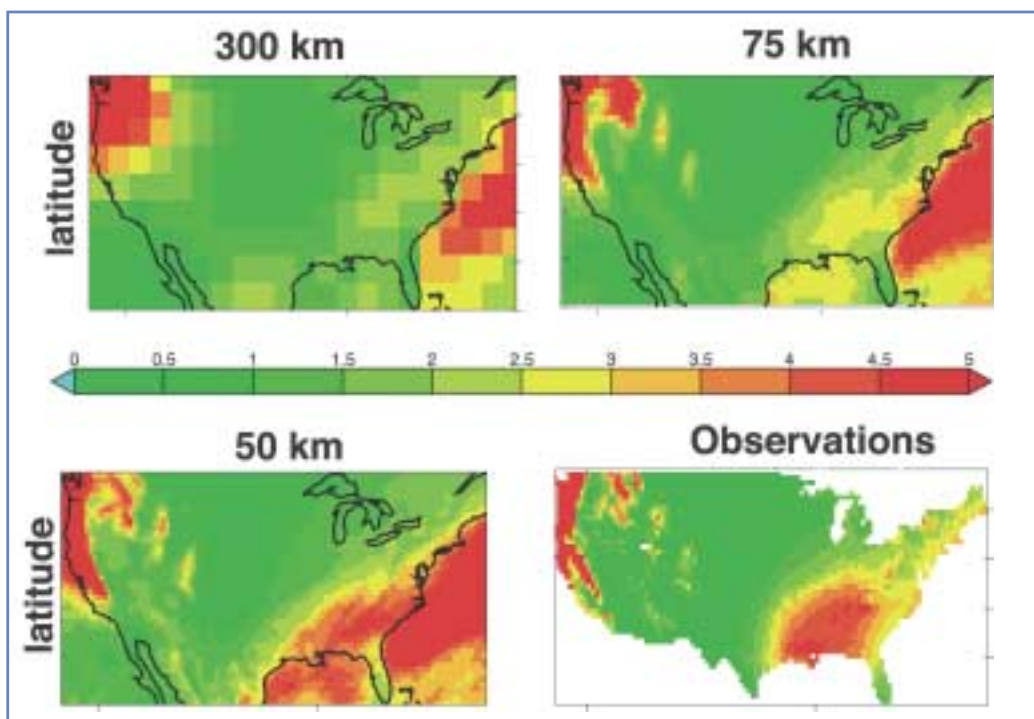


Management paid tribute to Tarter before a standing-room only audience in the Laboratory's Building 123 Auditorium.

For more on this special ceremony see **Recent Headlines** below.

Laboratory Scientists Make Breakthrough In Global Climate Simulations

For the first time, LLNL atmospheric scientists have performed global climate simulations with spatial resolutions of roughly 50 km (30



Wintertime precipitation in the United States in the observational data set and as simulated by the climate models at three resolutions.

miles). Typical simulations have used spatial resolutions of approximately 300 km (186 miles), which limits the ability to simulate climate

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and climate change on a regional scale.

The high-resolution simulations were accomplished using supercomputers at LLNL and the Department of Energy's National Energy Research Supercomputer Center.

"While higher resolutions have been used in weather prediction simulations before, those typically only cover several days," said Phillip Duffy, group leader of LLNL's Climate System Modeling Group in the Atmospheric Science Division. "Livermore's climate simulations span years."

For more on this new capability please go to <http://www.llnl.gov/llnl/06news/NewsReleases/2002/NR-02-07-03.html> or see **Recent Headlines** below.

Come Tour The Laboratory

The Laboratory's Public Affairs Office is now offering a new, expanded tour of the Laboratory that includes stops at the Biology & Biotechnology Research Program, the National Atmospheric Release Advisory Center, and the Advanced Simulation and Computing Initiative building. Also, for a limited time the tour includes a visit to the LLNL Computer History Museum.

The two-hour tour is offered Tuesdays and Thursdays starting at 9 a.m. U.S. citizens must register at least two weeks in advance. Non-U.S. citizens must register at least sixty days in advance. Special tours can be arranged for groups of eight or more with two weeks' advance notice. All tours are free. For more information on the new tour program go to www.llnl.gov/pao. **Please note that the Visitors Center will be closed for remodeling through mid-September.**

We Want Your Ideas

Your ideas on how we can improve this newsletter, or our Laboratory programs, are welcomed.

Please forward any comments or questions you may have to Scott Wilson (925) 423-3125, wilson101@llnl.gov.



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Laboratory 50th Anniversary Website

A new Website featuring a comprehensive timeline of the Laboratory's history is now available online. The timeline, arranged by decade, includes a variety of pictures, stories, news articles and quicktime movies on the people and events that have shaped the Laboratory since its inception. To view this fact-filled Website go to www.llnl.gov/timeline.



The large optics diamond turning machine and an aspherical mirror that the machine was first able to produce, as noted on the Lab's timeline on the Web in 1981.

"Technology Today"

"Technology Today," a television program designed to help inform our neighbors about activities at Lawrence Livermore National Laboratory, airs each Monday evening at 8:30 on the Tri-Valley's community television station, Channel 30. If you have a topic that you'd like to see discussed on "Technology Today," please call (925) 424-4822.

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Recent Headlines

You may be interested in these recent articles from the Laboratory's weekly newspaper,



Newsline. These stories can be viewed by visiting the Public Affairs Website at www.llnl.gov/llnl/06news/Employee/2001index.html Call or e-mail us if you would like more information.

- Anastasio testifies on NNSA role in homeland security (July 12, 2002)
- Simulations focus on climate (July 12, 2002)
- 'Unique partnership' between Davis, Lab earns designation as National Cancer Institute (July 12, 2002)
- Researchers win PECASE honors (July 12, 2002)
- From Baghdad to Biosphere 2, Jay Davis retires (July 12, 2002)
- Astrophysicists discover possible nanodiamonds in the early solar system (July 19, 2002)
- BSL-3 facility will aid fight against bioterrorism (July 26, 2002)
- NIF moves closer to early light (July 26, 2002)
- JGI's pufferfish sequence offers in-depth look at human gene pool (July 26, 2002)
- Draft assessment on East Avenue closure now available for review (July 26, 2002)

